

provided for receipt of fluid, and/or particulate present during the polishing operation. Further details about the polishing operation will be discussed in greater detail below.

Referring now to FIGS. 1, 2, 8-12, 24, and 25, puck top 60 includes a tubular body 62 defining a center bore 64 about axis 28. Center bore 64 has a lower portion 66 and an upper portion 68 with a diameter greater than the diameter of lower portion 66. A shoulder 70 is defined between upper and lower portions 66, 68. Tubular body 62 includes an inside surface 74, and an outside surface 76. A slot 78 extends between the inside and outside surfaces 74, 76 between first and second ends 80, ~~82~~ 82.

Tubular body 62 of puck top 60 includes three equally spaced transverse, threaded bores 86 for receipt of threaded ball plungers 88. Ball plungers 88 are threaded into bores 86 so that a portion projects into bore 64. Ball plungers 88 are spring loaded with ball portions 90 biased inwardly relative to tubular body 62. Ball portions 90 of ball plungers 88 cooperate with groove 54 of puck base 30 to secure puck top 60 to puck base 30. Because of the spring-biased nature of ball plungers 88, the connection between puck top 60 and puck base 30 is a quick connect and disconnect.

Tubular body 62 of puck top 60 includes an upper transverse threaded bore 94 for receipt of a threaded ball plunger 96. Ball plunger 96 is threadably positioned in bore 94 with ball portion 98 projecting inwardly relative to tubular body 62. Ball plunger 96 is used to secure a weight 100 to puck top 60.

Referring now to FIGS. 1, 2, 13-15, 24, 25, weight 100 includes a body portion 102 including a slot 104 extending from adjacent center axis 28 to outer surface 108. Slot 104 further extends from top end 110 to bottom end 112. An upper portion 114 of body portion 102, generally cylindrical in shape, is received in upper portion 68 of puck top 60. A lower portion 116 of body portion 102, generally cylindrical in shape, is received in lower portion 66 of puck top 60. Weight 100 is used to engage a back end 22 of connector 12, as shown in FIG. 25. Upper portion 114 has a greater diameter than lower portion 116. Shoulder 70 of puck top 60 engages a shoulder 122 to prevent weight 100 from falling through puck top 60.

Lower portion 116 of weight 100 includes a longitudinally extending groove 120 which receives ball portion 98 of ball plunger 96 to secure weight 100 to

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